Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(FOR OTHER WORKS)

Work Order No: EE(Project)/YNK zone/WO/107/2020-21

Division : EE, project division, yelahanka zone Date Cash Book . Yr. No. Date_____

Bill Received No. Head of Accounts P-3743 004-20-000020

Schedule Docket No.

Name of Work: " Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division"

Name of Contractor and Full Address/s : M/s Ramkrishy Infrastructure Pvt Ltd, Bangalore.

Work order No: EE(Project)/YNK zone/WO/107/2020-21 , Dated 03-10-2020

Certified that they were taken by me on 28/12/21 and recorded on Page... 135261 ... 269 ... of measurement Book No. 23/17-18

And that the work is satisfactorily executed.

Contractor

Officer-in charge of work 28/12/21

Certified that the measurement were checked by me on 28-12-2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of Materials shown in column 3 of Account n have been actually brought to site of the work and the contractor has not previously received an advance on this security. These Materials are of an imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates for finished work have been agreed upon. A formal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Updated - 82432898-00
Revised - 65219700-00

II Memorandum of Payment — Sub Division Office

1.	Total Value of work done or supplies made as per Account with in	–
2.	Deduct amount to be held in reserve being... ..... percent Rs...	–
3.	Balance	–
4.	Deduct Payment-	
a.	Amount of previous payment as in the office Cash Book Yr No. ....Dated.....S. D. No.	BF. 17213198-00
	Amount adjusted towards cash advance recovery of	Cu 344300-00
b.	Payments cost of store or other materials supplied	Cui 153689-00
	Now made Recovery of amount Creditable to his/other work	Sec 153689-00
	Amount paid on this bill by cheque/ cash	GF 17200-00
	Balance being unpaid value of work done held in reserve Total	Lab 17200-00
5.	Deduct cash advance made on the Office Cash Book Vr. No... ..... dated ... less adjustment	Hp 52800-00
6.	Net amount due to or from contractor	– 894898-00
	Unadjustment items	
7.	Advance to contractor for materials brought site (as detailed) within	
	Value of Government materials supplied	
	Total Amount adjusted	– 16318300-00

Contractor signature

Received Rs..... in words... ....

_____

_____by cash and by adjustment of payment as per memorandum (in final settlement of all demands)

Witness-
1.
2.

Stamp

(for use in the office)

Head of Account..... 2763

Audited & Admitted for Rs. 17213198-00

Passed for Rs. 16318300-00

.....

Paid To.....

By Adjustment Rs. 894898-00

AAO 3/1/22 EE

Date Signature of Contractor.

Paid by me by Cheque No ..... Date ....

Cash Rs... ... .

Date... ... ... .Initial of Officer making payment dated...Executive Engineer

NAME OF WORK : Package No.11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division

Sl No	Description of Work	Unit	Tender Quantity	Previous Measurement			Present Measurement			Total Upto Date		Remarks
				Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Amount	
1	Removing and resetting of kerb stones. complete as per specifications and directions of the Engineer in charge.	m	2253.28	807.15	105.88	85461.04	0.00	105.88	0.00	807.15	85461.04	
2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete., complete as per specifications and directions of the Engineer in charge.	m	3934.00	558.58	436.98	244088.29	0.00	436.98	0.00	558.58	244088.29	
3	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint complete as per specifications and directions of the Engineer in charge.	m	432.00	0.00	436.98	0.00	0.00	436.98	0.00	0.00	0.00	
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Cum	157.27	152.15	5563.25	846448.49	0.00	5563.25	0.00	0.00	846448.49	
5	Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour ,complete as per specifications complete as per specifications and directions of the Engineer in charge.	Sqm	1925.30	384.86	85.66	32967.11	0.00	85.66	0.00	0.00	32967.11	

6	Providing and laying heavy duty cobble stones 80mm thick interlock pavers using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Sqm	1902.74	476.36	1128.05	537357.90	0.00	1128.05	0.00	0.00	537357.90	
7	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification. (5km lead = 57+2*1.28X5). complete as per specifications and directions of the Engineer in charge.	Cum	2.85	0.00	667.01	0.00	0.00	667.01	0.00	0.00	0.00	
8	Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification. complete as per specifications and directions of the Engineer in charge.	m	1015.70	958.20	71.23	68252.59	0.00	71.23	0.00	0.00	68252.59	
9	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	cum	432.61	274.82	4923.19	1352991.08	0.00	4923.19	0.00	0.00	1352991.08	
10	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Cum	299.94	189.45	6432.39	1218616.29	0.00	6432.39	0.00	0.00	1218616.29	
11	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Sqm	589.02	267.17	152.08	40631.21	0.00	152.08	0.00	0.00	40631.21	

12	mix M20 with 10% cement @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103:1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Cum	126.16	65.72	5707.63	375105.44	0.00	5707.63	0.00	0.00	375105.44
13	Supplying and fixing M.S rectangular poles made out of two equal angles of 65X65X6 mm welded together and fixed in CC 1:2:4 with two numbers 16mm dia M.S hold fast rods each of length 25cms including cost of all materials cutting, bending scaffolding whereever necessary, nicely finishing the welded jonts with all lead lift and as per the direction of engineer incharge of the work and including providing two coats of approved quality paint over coat of shop painting (excluding cost of earthwork and concrete)..complete as per specifications and directions of the Engineer in charge.	m	646.04	0.00	920.15	0.00	0.00	920.15	0.00	0.00	0.00
14	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work.	Sqm	2418.00	2121.08	9240.96	19600815.44	0.00	9240.96	0.00	0.00	19600815.44
15	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangularpoleas and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour lead and lift and as per the directions of the engineer incharge of work including two coats of approved quality paint over one coat of shop paint. completion of the work as per direction of engineer in charge of work.	Sqm	1131.31	0.00	560.19	0.00	0.00	560.19	0.00	0.00	0.00

16	Drawing , using 50mm x 50mm x 14 gauge M.S hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16mm x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40 mm x 6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. all the steel surface should be throughly cleaned free of rust and painted with anti materials , labour charges for all items of work , Hire charges for welding , cutting and grinding eqipment , electricity charges , with lead and lift , loading and unloading charges , etc.completion of the work as per direction of engineer in charge of work.	Sqm	27.90	0.00	3226.30	0.00	0.00	3226.30	0.00	0.00	0.00	
17	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other completion of the work as per direction of engineer in charge of work.	Sqm	56.40	41.50	12606.83	523183.45	0.00	12606.83	0.00	0.00	523183.45	
18	Providing and applying enamel metal paint two coats (exclusive primer coat) over new steel or other metal surfaces brushing to give an shade after cleaning oil grease dirt and other forien matters including cost of materials labour complate as per specifications. completion of the work as per direction of engineer in charge of work.	Sqm	839.71	0.00	101.06	0.00	0.00	101.06	0.00	0.00	0.00	
19	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.completion of the work as per direction of engineer in charge of work.	Sqm	143.23	38.47	736.31	28325.85	0.00	736.31	0.00	0.00	28325.85	

20	of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. (5km lead = 57+2*1.28X5). completion of the work as per direction of engineer in charge of work. (Qty upto 125%)	Cum	589.99	754.47	390.78	294831.79	0.00	390.78	0.00	0.00	294831.79	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site.completion of the work as per direction of engineer in charge of work.(Qty upto 125%)	cum	285.00	362.88	2206.05	800531.42	0.00	0.00	0.00	0.00	800531.42	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. completion of the work as per direction of engineer in charge of work.(Qty upto 125%)	Sqm	111.54	164.32	1319.59	216835.03	0.00	1319.59	0.00	0.00	216835.03	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications..completion of the work as per direction of engineer in charge of work.	Sqm	182.60	90.30	976.94	88217.68	0.00	976.94	0.00	0.00	88217.68	

24	[illegible] monkey bar size 1.8m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for the outer bars &32 mm OD galvanized steel for the inner parallel bars with a baked on powder coated finish. Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm thickness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform ,stairs, baffle shall be all robotic welded. Inclined ramps of size 1.92m x 0.65m , stair case of size 1.5m x 0.77m are fabricated from solid 2mm perforated solid punched steel Frisbee climber , piped walls of size 1 m are robotic welded , fabricated from 32 mm OD galvanized steelpipes for outer and 25mm OD galvanized steel pipes for inner bar	Each	2.00	2.00	1936256.44	3872512.88	0.00	1936256.44	0.00	0.00	3872512.88	
25	Supply and fixing of childern Multi Play Equipment with double swing, curved side toddler slide with animated roof Upright structural posts of height 2.7 m and 3 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m and Staircase of size 1.48 m x 0.60 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Handrail of height 1.90 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per Sun Roof of size 2.0 m x 1.78 m x 0.77m, Spiral Slide of size 2220 mm x 1630 mm x 1880 mm , Straight Slide of size 1645 mm x 800 mm x 1140 mm, Panels. Roofs and panels are copyrighted and IP protected worldwide. Spring Climber of thickness Dia 38 mm, 3 step ladder , Frisbee Climber ,Piped walls of Height 2.7 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm	Each	1.00	1.00	1229647.65	1229647.65	0.00	1229647.65	0.00	0.00	1229647.65	

26	Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish.Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels,Toprails Of Monkey loop of size 1.8 m x 1.3 m.Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m, Spiral Slide of size 1.16 m x 1.6 m x 3.6 m. Panels The rates are to be inclusive of supply	Each	1.00	1.00	2224684.00	2224684.00	0.00	2224684.00	0.00	0.00	2224684.00	
27	Supply and fixing of childern Multi Play Equipment :Upright structural posts of height 2.35 m , 3.0 m and 3.25 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Handrail of height 2.20 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Snake Ladder Climber of size 0.99 m x 0.62 m x 1.20 m with thickness of Dia 38 mm, Piped walls of Height 2.6 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. crab Roof of size 1.9 m x 1.7 m x 0.77m, Sun Roof of size 2.0 m x 1.78 m x 0.77m, Straight slide 2.28 m x 0.83 m x 1.20 m , Spiral Slide of size 2.22 m x 1.60 m x 1.5 m, Rock climber of size 1.03 m x 0.70 m x 1.20 m Panel. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges..completion of the work as per direction of engineer in charge of work.	Each	4.00	4.00	1514825.81	6059303.24	0.00	1514825.81	0.00	0.00	6059303.24	
28	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges completion of the work as per direction of engineer in charge of work.	Each	5.00	4.00	84365.05	337460.20	0.00	84365.05	0.00	0.00	337460.20	
29	Supply & fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards	Each	1	1.00	214757.81	214757.81	0.00	214757.81	0.00	0.00	214757.81	
30	Supply & fixing of Big Shoulder Wheel : All products must tested and certified to meet EN16630 safety	Each	1	1.00	151593.75	151593.75	0.00	151593.75	0.00	0.00	151593.75	
31	Supply & fixing of Elliptical Cross Trainer: All products	Each	1	1.00	176850.38	176850.38	0.00	176850.38	0.00	0.00	176850.38	

33	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety	Each	1	1.00	280334.69	280334.69	0.00	280334.69	0.00	0.00	280334.69	
34	Supply & fixing of Rider : All products must tested and certified to meet EN16630 safety standards with GS test	Each	1	1.00	113695.31	113695.31	0.00	113695.31	0.00	0.00	113695.31	
35	Supply & fixing of Tai Chi Spinners : All products must tested and certified to meet EN16630 safety standards	Each	1	1.00	145276.86	145276.86	0.00	145276.86	0.00	0.00	145276.86	
36	Supply & fixing of HD Sit Up Station : All products must tested and certified to meet EN16630 safety standards	Each	1	1.00	157909.68	157909.68	0.00	157909.68	0.00	0.00	157909.68	
37	Supply & fixing of HD Squat Pushing : All products must tested and certified to meet EN16630 safety	Each	1	1.00	271604.99	271604.99	0.00	271604.99	0.00	0.00	271604.99	
38	Supply & fixing of HD Health Walker :All products must tested and certified to meet EN16630 safety	Each	1	1.00	176859.38	176859.38	0.00	176859.38	0.00	0.00	176859.38	
39	Supply & fixing of HD Mini Ski :All products must tested and certified to meet EN16630 safety standards	Each	1	1.00	201215.44	201215.44	0.00	201215.44	0.00	0.00	201215.44	
40	Supply & fixing of HD Waist Twister :All products must tested and certified to meet EN16630 safety standards	Each	1	1.00	164226.56	164226.56	0.00	164226.56	0.00	0.00	164226.56	
41	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clodscomplete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	Cum	113.17	474.49 474.97	327.25	155276.85 155433.54	0.00	327.25	0.00	0.00	155433.54 155276.85	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
42	Bored / Cast-in-situ R.C.C. . piles with OPC cement design mix M20 @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Specification complete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	m	624.00	898.00	12344.06	11084965.88	0.00	12344.06	0.00	0.00	11084965.88	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
43	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.	Cum	6.02	0.00	5568.06	0.00	6.02	5568.06	33519.72	6.02	33519.72	

44	[illegible] and fine aggregate @ 0.4 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Cum	119.47	0.00	5917.45	0.00	119.47	5917.45	706937.75	119.47	706937.75	
45	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charg	Cum	1.70	0.00	5015.59	0.00	1.70	5015.59	8526.50	1.70	8526.50	
46	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.complete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	Cum	25.29	90.26	219.45	19807.56	0.00	219.45	0.00	0.00	19807.56	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
47	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum	87.88	0.00	67.38	0.00	0.00	67.38	0.00	0.00	0.00	
48	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. complete as per specifications and directions of the Engineer in charge.	Sqm	167.84	95.04	281.05	26710.99	0.00	281.05	0.00	0.00	26710.99	
49	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. complete as per specifications and directions of the Engineer in charge.	Sqm	353.34	266.01	389.81	103693.36	0.00	389.81	0.00	0.00	103693.36	
50	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. complete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	Sqm	13.60	87.36	497.61	43471.21	0.00	497.61	0.00	0.00	43471.21	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs complete as per specifications and directions of the Engineer in charge.	Sqm	70.04	0.00	436.01	0.00	67.32	436.01	29352.19	67.32	29352.19	

53	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.	Sqm	125.04	0.00	318.59	0.00	0.00	318.59	0.00	0.00	0.00	
54	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.	Sqm	6.90	0.00	352.28	0.00	0.00	352.28	0.00	0.00	0.00	
55	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. complete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	Cum	80.15	80.15	6342.88	508381.83	0.00	6342.88	544111.28	0.00	544111.28 1052493.11	
	Qty Above 125%		0.00	5.63	6342.88	35710.41	0.00	0.00	544111.28	0.00	579821.69	
56	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per complete as per specifications and directions of the Engineer in charge.	Cum	23.74	0.00	6595.94	0.00	23.74	6595.94	156587.62	23.74	156587.62	

57	Providing and laying in position reinforced cement concrete of design mix M30 with OPC cement @ 37.50kgs, with 12mm and down size graded granite metal coarse aggregates @0.586cum and fine aggregates @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Sqm	5.40	0.00	540.93	0.00	0.00	540.93	0.00	0.00	0.00	
58	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. complete as per specifications and directions of the Engineer in charge.(Qty upto 125%)	tonne	26.51	33.90	77457.19	2625798.74	0.00	77457.19	0.00	0.00	2625798.74	
	Qty Above 125%		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
59	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Sqm	525.89	500.87	995.23	498480.85	25.89	995.23	25766.50	25.89 526.76	524247.35	
60	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, complete as per specifications and directions of the Engineer in charge.	kg	39311.19	13667.90	120.31	1644385.05	25643.29	120.31	3085144.65	25643.29 39311.19	4729529.70	
61	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification complete as per specifications and directions of the Engineer in charge.	cum	246.58	0.00	354.20	0.00	0.00	354.20	0.00	0.00	0.00	

62	Providing and constructing one foot brick wall with solid concrete blocks of size 400x200x200 mm having a block density not less than 1800 kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. complete as per specifications and directions of the Engineer in charge.	Sqm	26.81	0.00	885.50	0.00	0.00	885.50	0.00	0.00	0.00	
63	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.	Sqm	462.73	0.00	283.94	0.00	462.73	283.94	131387.56	462.73	131387.56	
64	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .complete as per specifications and directions of the Engineer in charge.	Sqm	545.69	0.00	222.34	0.00	545.69	222.34	121328.71	545.69	121328.71	
65	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.	Sqm	92.19	0.00	223.30	0.00	92.19	223.30	20586.03	92.19	20586.03	
66	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Sqm	66.30	0.00	245.44	0.00	61.20	245.44	15020.93	61.20	15020.93	
67	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification.complete as per specifications and directions of the Engineer in charge.	Sqm	605.09	0.00	84.70	0.00	574.62	84.70	48670.31	574.62	48670.31	
68	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. complete as per specifications and directions of the Engineer in charge.	Sqm	545.69	0.00	98.18	0.00	545.69	98.18	53575.84	545.69	53575.84	

69	surface including priming coat with primer after thoroughly cleaning the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications complete as per specifications and directions of the Engineer in charge.	Sqm	59.40	0.00	128.01	0.00	0.00	128.01	0.00	0.00	0.00	
70	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications complete as per specifications and directions of the Engineer in charge.	Sqm	469.63	0.00	370.56	0.00	469.73 469.63	370.56	174063.15 174026.00	469.73	174063.15 174026.00	
71	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of the Engineer in charge.	kgs	236.25	0.00	102.99	0.00	236.25	102.99	24331.39	236.25	24331.39	
72	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.	Sqm	792.66	0.00	688.19	0.00	754.80	688.19	519445.81	754.80	519445.81	
73	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm complete as per specifications and directions of the Engineer in charge.	Sqm	20.40	0.00	2159.85	0.00	20.40	2159.85	44060.94	20.40	44060.94	
74	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specifications and directions of the Engineer in charge.	Sqm	28.52	0.00	1240.66	0.00	28.52	1240.66	35383.62	28.52	35383.62	

75	[illegible] colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.	Sqm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
76	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	Sqm	87.36	0.00	1780.63	0.00	87.36	1780.63	155555.84	87.36	155555.84	
77	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification and directions of the Engineer in charge.	Sqm	1.60	0.00	196.35	0.00	0.00	196.35	0.00	0.00	0.00	
78	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification and directions of the Engineer in charge.	Sqm	70.04	0.00	573.65	0.00	67.32	573.65	38618.12	67.32	38618.12	
79	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	Nos	4.00	0.00	1491.88	0.00	0.00	1491.88	0.00	0.00	0.00	
80	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of the Engineer in charge.	cum	0.38	0.00	95616.68	0.00	0.27	95616.68	25338.42	0.27	25338.42	

81	The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. complete as per specifications and directions of the Engineer in charge.	m	22.80	0.00	490.88	0.00	0.00	490.88	0.00	0.00	0.00	
82	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of	m	6.30	0.00	4148.38	0.00	0.00	4148.38	0.00	0.00	0.00	
83	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of the Engineer in charge.	Sqm	9.24	0.00	105.88	0.00	9.17	105.88	970.71	9.17	970.71	
84	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge.	Sqm	11.34	0.00	5154.19	0.00	9.21	5154.19	47470.09	9.21	47470.09	

85	1.07kg/m, sides and top sections 1.3 mm. thick, weight 0.933 kg/m shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	17.25	0.00	4841.38	0.00	16.48	4841.38	79785.94	16.48	79785.94	
86	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	sqm	28.50	0.00	102.99	0.00	0.00	102.99	0.00	0.00	0.00	
87	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses complete as per specifications and directions of the Engineer in charge.	Sqm	1379.76	0.00	750.75	0.00	1379.76	750.75	1035854.82	1379.76	1035854.82	
88	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	Sqm	1379.76	0.00	44.28	0.00	814.16	44.28	36051.00	814.16	36051.00	

89	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.complete as per specifications and directions of the Engineer in charge.	Sqm	211.62	0.00	719.98	0.00	140.69	719.98	101293.99	140.69	101293.99	
90	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness*60mm width*2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. complete as per specifications and directions of the Engineer in charge.	Sqm	531.36	0.00	15159.38	0.00	531.36	15159.38	8055088.16	531.36	8055088.16	
91	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	4.00	0.00	3436.13	0.00	0.00	3436.13	0.00	0.00	0.00	
92	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and directions of the Engineer in charge.	Each	2.00	0.00	163.63	0.00	0.00	0.00	0.00	0.00	0.00	
93	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe.do - 110 mm dia	m	40.00	0.00	473.55	0.00	0.00	473.55	0.00	0.00	0.00	
94	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe. do- 160mm dia	m	40.00	0.00	930.74	0.00	0.00	930.74	0.00	0.00	0.00	
95	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Each	2.00	0.00	5409.25	0.00	0.00	5409.25	0.00	0.00	0.00	

96	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	1.00	0.00	8810.73	0.00	0.00	8810.73	0.00	0.00	0.00	
97	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) and directions of the Engineer in charge.	Each	2.00	0.00	22356.95	0.00	0.00	22356.95	0.00	0.00	0.00	
98	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	4.00	0.00	188.65	0.00	0.00	188.65	0.00	0.00	0.00	
99	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	2.00	0.00	154.00	0.00	0.00	154.00	0.00	0.00	0.00	
100	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	2.00	0.00	366.71	0.00	0.00	366.71	0.00	0.00	0.00	
101	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge.20mm nominal OD pipes	m	40.00	0.00	256.03	0.00	0.00	256.03	0.00	0.00	0.00	
102	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge.25mm nominal OD pipes	m	40.00	0.00	319.55	0.00	0.00	319.55	0.00	0.00	0.00	

103	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	2.00	0.00	1239.70	0.00	0.00	1239.70	0.00	0.00	0.00	
104	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	2.00	0.00	806.58	0.00	0.00	806.58	0.00	0.00	0.00	
105	Providing wash basin brackets of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot.complete as per specifications and directions of the Engineer in charge.	Pair	1.00	0.00	261.80	0.00	0.00	261.80	0.00	0.00	0.00	
106	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. .complete as per specifications and directions of the Engineer in charge.	NO	4.00	0.00	9265.99	0.00	0.00	9265.99	0.00	0.00	0.00	
107	Providing of stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all).complete as per specifications and directions of the Engineer in charge.10 cms x 10 cms	Nos	2.00	0.00	206.94	0.00	0.00	206.94	0.00	0.00	0.00	
108	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 19/20mm dia, 2mm thick	Mtr	133.00	0.00	50.05	0.00	0.00	50.05	0.00	0.00	0.00	